



6.4 Mitigation Actions

Update Requirement §201.4(d): [The] plan must be reviewed and revised to reflect changes in development, progress in statewide mitigation efforts and changes in priorities.

The process used to develop this section of the updated Plan is very different from the process for the original Plan. The original Plan was developed by a very large Planning Team with representatives from agencies that deal with human-caused hazards that are addressed in other planning mechanisms. Eliminating those types of hazards from the Plan resulted in a drastic reduction in the list of mitigation actions. As indicated in the "Original Plan Actions, Now Deleted" table included in Appendix A of this Plan, many actions were eliminated due to the following reasons:

- Related to human-caused hazards (disease, terrorism) now eliminated from the Plan;
- Response or Preparedness bases;
- Duplicates or very similar to other listed actions;
- Too broad, unclear or does not specifically indicate proposed action (no responsible agency to check with);
- Determined invalid due to lack of information on issue.

Based on the above information the following steps were taken:

- The over 120 original Plan actions/projects were reviewed;
- Approximately half of the original actions were eliminated;
- Justification was provided for eliminated actions.

The list of remaining original Plan actions was distributed to the Planning Team for the following information which was previously not included:

- Responsible agency;
- Timeframe;
- Resources required (staff/funding);
- Hazard mitigated.

We also feel it would be beneficial to include specific proposed activities for each action. This should result in better tracking ability of action implementation and completion. Our intention is to include "Proposed Activities" in the next update of this Plan.

The list was again distributed and each member of the Planning Team was then tasked with reviewing the actions their agency is responsible for to provide the following:

- Action revisions to ensure clarity;
- Changes to action criteria (timeframe, resources) and/or recommended elimination(s);
- Submission of new actions;
- Progress on existing and new actions.



This task resulted in the "Original Plan Actions to Keep" and "New Mitigation Actions/Projects" tables, included in Appendix A of this Plan as well as "Action Progress" table below:

ACTION PROGRESS	
<p>Action 2.B.2 Work with counties and local jurisdictions and provide them technical assistance in writing multi-jurisdictional, All-Hazards Mitigation Plans.</p> <p>Revised: Provide local jurisdictions with technical assistance in developing and/or updating their multi-hazard mitigation plan.</p> <p>Progress/Status: ADEM has provided technical assistance to tribal governments and local jurisdictions by providing them with a "Model Local Hazard Mitigation Plan," developing a detailed scope of work to base their mitigation plans on and set-forth planning standards for consistency throughout the State. ADEM also conducts Mitigation Planning Workshops which provides detailed planning information to local governments. ADEM will continue to work with the local jurisdictions on an on-going basis to assist with the planning needs.</p>	ADEM Mitigation
<p>Action 6.E.1 Ensure that the AZ State Land Dept's Fire Mgmt Division and the AZ Division of Emergency Mgmt's web page provides sufficient guidance on wildfire mitigation to the public.</p> <p>Revised: Develop a program to coordinate with state agencies to include mitigation information for the public on their websites.</p> <p>Progress/Status: We have already contacted several agencies to post our newsletters on their websites. When our re-designed website is operational, we will determine who to contact about including our link on their website.</p>	ADEM Mitigation
<p>Action 2.A.3 Develop information packets and work with the CERT teams to provide hazard and mitigation information to public.</p> <p>Revised: Develop outreach material on hazards & possible mitigation activities, distribute to public.</p> <p>Progress/Status: The first brochure draft is being reviewed by Mitigation Dept (Sept 07).</p>	ADEM Mitigation
<p>Action 2.B.3 Continue to explore means to assist local jurisdictions to acquire funds to write local mitigation plans.</p> <p>Revised: Continue to apply for grants on behalf of local jurisdictions or encourage them to apply to ensure means of mitigation planning and updating of plans.</p> <p>Progress/Status: ADEM has applied for hazard mitigation planning grants on behalf of tribal and local governments. Currently, eight tribal governments have a State-level tribal multi-hazard mitigation plan, two tribal governments have local tribal multi-hazard mitigation plans (which will be updated to State-level plans), all 15 counties have multi-hazard mitigation plans and 79 communities. ADEM has also provided the match for planning grants totaling \$630,912.</p>	ADEM Mitigation
<p>New Action: Develop procedure to keep local jurisdictions informed of hazard mitigation planning updates, requirements and benefits.</p> <p>Progress/Status: ADEM's Mitigation Office has developed a quarterly newsletter which is provided to 326 local jurisdictions and emergency planning and responder contacts. Planning updates and important information is provided in this newsletter. A website is currently in the process of being developed which will provide a direct link to mitigation planning process.</p>	ADEM Mitigation
<p>Action 5.C.7 Identify high-risk areas for post-fire flooding.</p> <p>Revised: Identify high-risk areas for post-fire flooding and advise the appropriate jurisdictions and agencies of risk.</p> <p>Progress/Status: In progress in Gila County.</p>	ADEM, AZGS, State Land - Forestry
<p>New Action: Add information on the dangers of severe weather to the State Climatology website and continue weather presentations to K-12 students and community groups.</p>	State Climate Office



Progress/Status: The State Climate Office already makes presentations on severe weather to K-12 students and community groups and will continue to do so.	
New Action: Assemble a climate database from various meteorological networks in AZ. Progress/Status: The State Climate Office at AZ State University has written several proposals to fund a climate database for Arizona and has not yet been successful. Work on this issue will continue. The AZ Hydrologic Information System is currently being developed with precipitation and streamflow data. The hope is to include weather/climate data as well.	State Climate Office
Action 11.A.1 Continue to support the efforts of the LEPC's. Progress/Status: The AZSERC accomplishes this by publication of a monthly "Gatekeeper" newsletter, sponsorship of workshops, awareness days, training and many more activities.	AZSERC
Action 11.B.1 Develop and maintain a database of schools, hospitals and other key facilities within a one-mile radius of hazmat facilities and make that database available to responders to incidents at those facilities. Revised: Develop and maintain a database of critical and key facilities within a one-mile radius of hazardous materials facilities. Make available to responders at those facilities. Progress/Status: The AZSERC has provided software(Landview) to major urban LEPCs and to the AZ Counter-Terrorism Info Center (ACTIC). Landview has info which includes schools, hospitals and other key facilities and population/demographics which assists planners accomplish their missions. The AZSERC has and will continue to provide training and support.	AZSERC
Action 11.B.2 Through the AZSERC, encourage the use of less hazardous alternatives to the chemicals currently used when possible. Revised: Encourage the use of less hazardous alternatives to chemicals currently used. Progress/Status: The AZSERC continues to publicize the use of hazardous chemicals and citing facilities that have used alternatives. This approach keeps the focus on facilities that have not made changes, resulting in local pressures to do so.	AZSERC
Action 6.E.2 Encourage the Arizona Firewise Communities sub-committee of the Arizona Interagency Coordination Group to take a lead role in ensuring the fire prevention and Firewise information being distributed is accurate, timely and uniform. Revised: Ensure AZ Firewise Communities program and fire prevention information is distributed statewide. Progress/Status: Program and prevention information has been posted on the State Forester's website as well as AZ 2-1-1 website.	State Land - Forestry
New Action: Encourage cities, communities and other municipalities to specify landscape requirements base upon Firewise principles. Progress/Status: Fire prevention information based on landscaping is provided on the State Forester's website as well as AZ 2-1-1 website.	State Land - Forestry

All remaining and new actions were then combined into one list and sorted by the "Hazard Mitigated" column.

To better assist in evaluation of the actions/projects in this Plan, as a final step, each Planning Team Member was asked to provide additional information. The list of actions was once again distributed to the Planning Team Members requesting the following information:

- WHY each action/project is necessary; and
- WHEN the action/project is going to be implemented.

The information received was then added to the table of Prioritized Actions/Projects on the pages that follow. We were unable to collect the same level of details for all actions at this time. However, the less detailed actions remain in the Plan as we believe they



are aligned with our goal and objectives. We will continue to work on gathering further details to support the necessity of the action and the timeframe. Additionally, no new actions will be added to this Plan without full details as required by FEMA guidances and by what is required by the Planning Team.

We have made every effort to ensure this Plan's actions/projects contribute to the State's overall goal to "Reduce or eliminate the risk to people and property from natural and human-caused hazards" by taking the steps outlined in the beginning of Section 6.4 and by providing as much detail as possible. We intend to perform continuous evaluations of the actions/projects with every review, update and/or enhancement of this Plan in an effort to obtain more specific activities and time frames on listed actions. This will ensure a higher rate of progress and completion of strategy actions. Only actions/projects that are environmentally sound and technically feasible are considered.

Action Prioritization

The STAPLEE method was used to prioritize the actions for the original Plan. However, we were skeptical about using it again after reviewing the results it rendered in the original Plan. We strived to devise a less complex method of prioritization that provided a criterion that would more closely reflect the ideals and direction of the State. We used the STAPLEE concept to assist in development of these three main outcomes we feel are important in mitigation activities (in order of importance):

- Direct Impact on Life and/or Property
- Long-Term Solution
- Benefit vs Cost

During Planning Team meeting #2, the action list was discussed and once again, reviewed. Some of the discussion points related to which agencies should be involved and the inability to project the timeframe due to not having funding yet. The Team was reminded that this information was to be estimated or projected. Some timeframes were changed to reflect the length of time once funding is available if the action requires it. The Planning Team proceeded with the following prioritization process:

- Attendees were given a "ballot" which included the Goal, Objectives, and all new and existing actions;
- Attendees were given a voting "key" (the three items above labeled A – Most important, B and C);
- Attendees voted by placing any or all of the A, B, C labels next to each action according to which items they believed the action would result in.
- The "ballots" were collected prior to attendees leaving the meeting.

The votes were then tallied for each letter for each action. Based on the amount of votes each action received under each letter, the actions were placed in one of three categories; High, Medium or Low. Based on review of each category, it seems that this process worked well and placed a more appropriate priority on our actions.

The table below reflects the results of our prioritization process:



GOAL: REDUCE OR ELIMINATE THE RISK TO PEOPLE AND PROPERTY FROM NATURAL AND HUMAN-CAUSED HAZARDS						
	Obj: 1	Reduce or eliminate risks that threaten Arizona's citizens.				
	2	Reduce risk to critical facilities and infrastructure from natural and human caused hazards.				
	3	Promote hazard mitigation throughout the State.				
	4	Assist local jurisdictions in implementing/sustaining their mitigation programs.				
	5	Increase public awareness of Arizona's hazards and risks.				
	6	Pursue hazard mitigation project funding sources.				
Iqo					Resources	
	Haz Mit	Action / Project	Agency	Time Frame	S	F
HIGH PRIORITY						
1	All	Develop a coordinated geo-hazard rapid response capability, including landslide hazards expertise and equipment required for rapid emergency deployment of real-time data to emergency managers.	AZGS	July 2007 & ongoing	X	X
1	Multi	Develop and implement a natural hazards rapid response team to provide expertise and equipment to emergency managers.	AZGS	July 2007 & ongoing		X
1	Flood	Expand and enhance the Statewide Flood Warning System. There are approximately 500 ALERT rain and stream gages throughout Arizona but the majority are located in Maricopa and Pima counties. Arizona recognizes the need for more gages throughout the State to improve the capabilities of a true statewide flood warning system.	ADWR/ADEM/Flood Control Districts	Identify areas of need & estimate costs by June 08 for 09 fund eligibility		
1	Dam	Identify areas of encroachment below Arizona unsafe dams and notify local entities.	ADWR	July 2008		
3	Flood	Monitor encroachment below dams in the floodplain that could result in a change to the hazard classification.	ADWR	Annually		
6	Dam	Identify adequate funding sources of the dam repair program, which is designed to assist the state and the owners in the protection of life and property. Report to the Director of ADWR	ADWR	August 2008	X	
MEDIUM PRIORITY						
1	All	Gather and maintain data on current local mitigation policies, programs and capabilities and evaluate their effectiveness at the very least, every year during the annual Plan review. Further analysis will be performed during the development of Plan updates, every three years. The information we will be gathering is detailed in the Local Capability Assessment section (page 194). Updated information will be incorporated into the formal Plan review documentation.	ADEM	Nov 2008 and every year following	X	
1	Dam	Increase the efficiency of the state dam safety program by digitizing and imaging all records.	ADWR	December 2008		
1	Drought	Investigate the feasibility of using reclaimed (gray) water for appropriate applications.	ADWR			
1	Flood	Identify transportation corridors that are susceptible to flooding for future bridge or culvert construction.	ADOT Flood Cont Districts	On-going		
1	Landslide	Coordinate research priorities to develop a predictive understanding of landslide processes and triggering mechanisms.	AZGS	Debris flow in progress	X	X



1	Landslide	Monitor landslides and establish landslide warning systems.	AZGS		X	X
1	Wildfire	Continue to complete wildland fuels reduction projects as appropriate and renew/revise agreements as necessary. Necessary for those living in or owning property in the WUI or Communities at Risk to manage the fuels on their properties to reduce their risk from wildland fires. It is also equally important that agencies reduce the fuel loading on public lands in order to further reduce the risk of destructive wildfires.	State Land - Forestry /DOC	Always ongoing due to land area amount involved & the reqmt for ongoing maintenance to keep fuels manageable and safe.	X	X
1	Wildfire	Amend ARS to adopt additional building codes based upon the International Wildland-Urban Interface Code. Necessary in order to provide for uniform building and landscaping standards to promote practices that recognize the hazards of wildland fire in the WUI to further reduce the threat of wildland fire to citizen's welfare and their property.	State Fire Marshall	Efforts will continue until approp codes are passed by State Leg	X	
2	Floods	Investigate paleofloods to document sizes of large, ungaged floods on washes and rivers to help determine flood recurrence intervals given short history of stream gages in Arizona. This information would benefit critical facilities, infrastructure & homeowners by helping them assess mitigation needs.	AZGS		X	X
2	HazMat	Develop and maintain a database of critical and key facilities within a one-mile radius of hazardous materials facilities. Make available to responders at those facilities. Will support better protection of critical facilities from hazardous materials incidents.	ASERC	Complete. Maint on-going	X	
3	All	Add requirements to building codes for fire resistive materials for new construction and additions to existing construction.	Fire Marshall's Office / Dept of Fire, Building & Life Safety			
3	Fissure	Identify and map known fissures across the state.	AZGS	Sept 2006 & ongoing	X	
3	Fissure	Collaborate with Arizona's universities to research methods of determining the location, extent, duration, and propagation of fissure zones; to establish a long-term monitoring program; and to develop successful mitigation techniques.	AZGS			X
3	Flood	Develop publications to promote the RFC program especially in areas affected by repetitive loss due to flooding. This has not been a widely publicized program, AZ has approx 167 un-mitigated RL properties.	ADEM Mit Office	1 st pub distributed by June '08	X	
3	HazMat	Encourage the use of less hazardous alternatives to chemicals currently used. Primarily to general public as they pose a considerable threat to citizens.	ASERC	On-going	X	
3	Landslide	Map and identify active and paleolandslides in order to identify areas susceptible to landslide occurrence.	AZGS		X	X
3	Landslide	Develop robust landslide hazards information clearinghouse system for the systematic collection, interpretation, archiving, and distribution of scientific technical information, databases and maps.	AZGS		X	X
3	Wildfire	Encourage cities, communities and other municipalities to specify landscaping requirements based upon Firewise principles. Necessary for those living in or owning property in the WUI or Communities at Risk to manage the fuels on their properties to reduce their risk from wildland fires.	State Land - Forestry	Always ongoing due to land area amount & the reqmt for ongoing	X	



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				maintenance to keep fuels manageable and safe		
3	Wildfire	Develop/maintain GIS wildfire incident database. Share data with local jurisdictions and others that may benefit from it. GIS has proven to be an important tool for managers in identifying areas at risk and to prioritize project areas based on present fuels, threat to the public, threat to natural resources, and to track the location and progress of ongoing projects.	State Land – Forestry	Always ongoing due to land area amount & the reqmt for ongoing maintenance to keep fuels manageable and safe	X	
4	EQ	Investigate Quaternary (young) faults to estimate the time since the most recent event, average recurrence intervals or slip rates, and to estimate paleoearthquake magnitudes. This information can be used for seismic hazard assessments, including probabilistic earthquake hazard maps, which in turn can be used to plan mitigation projects.	AZGS		X	X
4	Flood	Assist local jurisdictions in acquiring, or otherwise mitigating, property located in the 100-year floodplain, beginning with repetitive loss properties, including severe repetitive loss properties.	ADWR/ADEM Flood Control Districts	Unknown at this time		
4	Flood	Continue monitoring and coordinated with State NFIP Coordinator & FEMA to identify properties that meet SRL criteria. As of Nov 2007, Arizona has no properties meeting this criteria, but anticipate future changes.	ADEM Mit Office	On-going	X	
4	Flood	Identify high-risk areas for post-fire flooding and advise the appropriate jurisdictions & agencies of risk.	ADEM, AZGS, State Land - Forestry	In progress in Gila Co.	X	X
4	Multi	Assist local governments in developing, adopting, and implementing land use ordinances to reduce risks from geologic hazards.	AZGS	In progress		
4	Wildfire	Intergovernmental agreements will be revised/updated as appropriate. Agreements with newly formed fire districts/departments will be pursued as required. These agreements form the backbone of the Forestry Division's ability to cooperate and work with Arizona Fire Departments to provide for prevention, protection, and suppression of wildfires. These agreements come up for renegotiation & renewal regularly & agreements with new depts must be negotiated as they are formed thus, there is no end date. To date the Forestry Division has entered into agreements with over 130 fire depts.	State Land - Forestry	On-going (see action for explanation)	X	
4	Wildfire	Investigate areas with the potential for debris flows and flooding in the post-fire environment & identify high-risk areas for incorporation into mitigation plans and to target areas for mitigation activities.	AZGS	In progress in Gila Co		X
5	All	Encourage local jurisdictions to make their hazard mitigation plans available to public via website, library, etc.	ADEM Mit Ofc	Article in Jan 08 newsletter	X	
5	All	Develop a program to coordinate with state agencies & local jurisdictions to include public hazard information and links to ADEM and other emergency management agencies on their websites. Ph1: complete list of agencies, departments/divisions and others to coordinate with and create list of links. Ph2: Get list/links approved by SHMO and make contact.	ADEM Mit Ofc	Phase 1, June 2008 Phase 2, Dec 2008	X	



5	All	Develop outreach material on hazards and possible mitigation activities and distribute to the public. <u>ACTION COMPLETE AND DISTRIBUTED TO LOCAL JURISDICTIONS, COUNTIES, FEMA & STATE AGENCIES.</u>	ADEM Mit Ofc	1st brochure, Dec 2008	X	X
5	Drought	Develop water conservation outreach materials for distribution through various channels.	ADWR			
5	Drought	Participate in water summits and resource workshops, identifying various water conservation mechanisms and provide to appropriate public entities.	ADWR			
5	Fissure	Conduct earth fissure planning map briefings for state and local agencies whose responsibilities are affected by fissures.	AZGS	Sept 2006 & ongoing	X	
5	Floods	Develop and implement public awareness and education programs involving land use planning, design and flood hazard curricula, flood hazard safety programs, and community risk education.	AZGS/ADEM			X
5	Multi	Coordinate with the Arizona Geographic Alliance and others to inform K-12 teachers about hazards, providing background, resources, and ideas for curriculum development.	AZGS	July 2007 & ongoing		X
5	Multi	Increase geologic hazard public awareness via workshops, media, outreach & Geologic Extension Svc.	AZGS	In progress		X
5	Multi	Coordinate with the media to increase hazard awareness among the public.	AZGS	Sept 2006 & ongoing		X
5	Multi	Increase geologic hazard awareness among those engaged in real estate transactions and require disclosure.	AZGS/ADRE	In progress		X
5	Sev Weather	Assemble a climate database from various meteorological networks in AZ. A comprehensive database for climate data will allow continual severe weather event tracking and rank them relative to historical events. This will support updating of the risk assessment from these severe weather events both spatially and temporally, and take necessary mitigation actions as soon as the risk is identified.	State Climate Office	2008	X	X
5	Sev Weather	Add information on the dangers of severe weather to the State Climatology website and continue weather presentations to K-12 students and community groups. The State Climate Office engages in both applied research and outreach, making presentations to both K-12 and community groups on various weather and climate topics. The webpage also provides weather and climate information to the general public. As Internet accessibility expands, websites are becoming a primary source of information. Providing severe weather hazard information on the State Climate website will help educate the public and potentially reduce injuries or damage due to severe weather. Severe weather presentations are always favorites with K-12 students, and community groups, and they are very useful fr correcting mis-information about the hazards of severe weather.	State Climate Office	On-going	X	
5	Sev Weather	Establish climate data in a database to generate statistics on extreme weather events. The statistical data will be available on State Climate website and published as appropriate in the monthly state climate update report. Web-publishing the current statistics on severe weather occurrences keeps people informed as to the locations and frequency of hazardous weather and having the data current in the database facilitates updating the risk assessment and reporting process. Currently the data are stored in several databases maintained by different agencies.	State Climate Office	2008	X	X
5	Wildfire	Distribute wildfire mitigation information to those applying for building permits and those communities seeking Firewise Communities recognition. It has been repeatedly demonstrated that education is a key component in convincing the public to endorse and adopt wildland fire prevention and Firewise principles and activities.	State Land - Forestry	Public educ is an ongoing activity as land owners change & new communities	X	X



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				are developed		
6	All	Determine jurisdictions with established/adopted building codes in order to possibly give them funding priority to mitigation projects. This may encourage jurisdictions without codes to implement them.	ADEM Mit Ofc	Jan 2008	X	
6	All	Continue to apply for grants on behalf of local jurisdictions or encourage them to apply to ensure means of mitigation planning and updating of plans.	ADEM Mit Ofc	On-going	X	
		LOW PRIORITY				
3	All	Develop and implement a program to enable jurisdictions statewide to track the progress of the actions/projects from their Plan's Mitigation Strategy. This could improve the % of actions completed.	ADEM Mit Ofc	Determine feasibility by March 2008	X	
3	All	Develop a method of keeping each jurisdiction aware of the requirement to update their mitigation plan and their deadlines.	ADEM Mit Ofc	March 2008	X	
3	All	Perform full upgrade to the State Hazard Mitigation Plan for improvement and enhancements.	ADEM Mit Ofc	June 2009	X	X
3	All	Explore the feasibility of conducting workshops on the subject of mitigation plan update processes & requirements.	ADEM Mit Ofc	Jan 2008	X	
3	All	Provide local jurisdictions with technical assistance in developing and/or updating their multi-hazard mitigation plan.	ADEM Mit Ofc	On-going	X	X
3	Dam	Partner with FEMA to assess the appropriateness of including potentially flood-prone areas downstream of unsafe dams in floodplain maps.	ADWR	December 2008	X	X
3	EQ	Obtain seismic stations, and monitor and analyze activity to re-assess the seismic hazard (which is underestimated) for the state and identify areas that are particularly vulnerable. Release the information via public outreach to allow jurisdictions to determine appropriate mitigation measures and establish appropriate seismic building codes.	AZGS	Applying 1660 HMGP & 2008 PDM	X	X
3	Floods	Conduct surficial geologic mapping to evaluate piedmont areas that may be prone to flooding.	AZGS	In progress	X	X
3	Landslide	Compile and evaluate loss assessment of economic and environmental impacts of landslide assessments, and share the records.	AZGS/ADEM		X	X
3	Landslide	Compile statewide inventory of landslides into GIS and create landslide susceptibility maps for incorporation into state and local hazard mitigation plans.	AZGS		X	X
3	Multi	Identify areas within the various geological hazards that are lacking sufficient data to make mitigation decisions.	AZGS	July 2007 & ongoing		X
4	All	Develop and maintain a database of past/current funded mitigation projects to track progress and publish project/success stories.	ADEM Mit Ofc	Jan 2008 & On-going	X	
4	All	Provide tools and assistance to jurisdictions needed to update their mitigation plans.	ADEM Mit Ofc	On-going	X	
4	Flood	Encourage communities to begin or continue participation in the Community Rating System (CRS) program to ensure credit for various activities that assist property owners in receiving reduced insurance premiums and to reduce flood damages.	ADWR	In-progress - 25%	X	



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4	Multi	Inform land and resource managers and planners about potential geologic hazards within their jurisdictions.	AZGS	In progress		X
4	Multi	Provide technical assistance to counties on projects that identify geologic hazards.	AZGS	Aug 2006 & ongoing		X
5	All	Redesign and maintain the ADEM websites including Mitigation Office to include up to date hazard and emergency information and resources. The websites contain outdated information and use old more difficult software to design and maintain.	ADEM Mit Ofc	Sept 2008	X	X
5	EQ	Distribute earthquake hazard information via hard copy and internet (including posters and presentations, monitoring activity updates, etc.).	AZGS	In progress		X
5	Fissure	Create an earth fissure education workshop that targets developers, home builders, realtors, local officials, and other agencies with responsibilities affected by fissures; distribute materials via hard copy and internet; and conduct the workshop within fissure-prone areas of the state.	AZGS	Pending funding	X	X
5	Flood	Support work by the National Floodplain Insurance Program Coordinator.	ADWR	On-going		
5	Flood	Continue to encourage homeowners and renters who live in areas that are floodprone to acquire flood insurance through the NFIP.	ADWR/Flood Control Dist	On-going		
5	Landslide	Develop and implement public awareness and education programs involving land use planning, design and landslide hazard curricula, landslide hazard safety programs, and community risk education.	AZGS/ADEM		X	X
5	Wildfire	Ensure AZ Firewise Communities program and fire prevention information is distributed statewide. It has been repeatedly demonstrated that education is a key component in convincing the public to endorse and adopt wildland fire prevention and Firewise principles and activities.	State Land - Forestry	On-going	X	X
5	Wildfire	Maintain up to date list of AZ Communities at Risk (of wildfire) and share with agencies or individuals who can use the information to benefit their respective communities. This will provide a benefit to State Forestry and communities in identifying priority areas for wildfire mitigation work and is required by the National Fire Plan as well.	State Land – Forestry	The National Fire Plan requires this activity on an annual basis.	X	
Resources: S = Staff F= Funding						
Severe Weather: Flooding, Monsoon, Thunderstorms, Tornadoes, Tropical Storms, Winter Storms.						